National Weather Service
Storm Data and Unusual Weather Phenomena

April 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW MEXICO, Southeast

NMZ027>029 **Guadalupe Mountains Of Eddy County - Eddy County Plains - Lea**

	01	**0000MST**			**0**	**0**			**Drought**
	29	**0600MST**							

The long and devastating drought is finally being closed out. Although the lands in the region will take a long time to recover (and most agricultural experts would agree that their drought had not ended), meteorologically the weather pattern began a drastic change by April 29. Droughts are much more sluggish than this summary might convey, however, when restricted to an exact time for an end, April 29th seemed like a good choice.

On the morning of the 29th, the first in a series of upper level low pressure systems was dropping southward into southern California. For more than a year this situation had been a very rare occurrence, however, beginning on April 29th, low pressure centers dropping into the Desert Southwest became common.

Once again the countryside in southeast New Mexico became green.

Eddy County

Whites City	**29**	**1812MST**			**0**	**0**	**1K**		**Hail(1.00)**

Left-split storm from a cell over Culberson County, TX. Hail broke windows in a Highway Patrol car.

Eddy County

Carlsbad	**29**	**1842MST**			**0**	**0**			**Hail(1.00)**

Same storm as it moved to the north.

Eddy County

10 S Artesia	**29**	**1910MST**			**0**	**0**	**5K**		**Hail(1.75)**

Damaged autos and their windows.

Eddy County

Artesia	**29**	**1924MST**			**0**	**0**			**Hail(0.75)**

Same as previous storm but weakened as it moved into Artesia. Continued to weaken as it moved away to north.

Eddy County

26 SE Malaga	**30**	**1040MST**			**0**	**0**			**Hail(1.75)**

Multicell cluster that moved into NM from Loving County, TX.

Lea County

2 NE Eunice	**30**	**1328MST**	**0.2**	**120**	**0**	**0**			**Tornado (F0)**
		1330MST							

Tornado came from a small cell that formed in eastern Loving County, TX (east of a cell that produced a tornado in Loving County). This tornado was small and brief with a condensation funnel to the ground. This cell crossed into Andrews County, Texas as it moved to the NNE.

Lea County

6 NE Eunice	**30**	**1455MST**			**0**	**0**			**Hail(1.00)**

The multicell cluster grew in overall size and had several intense cells, including this one that passed to the north of Eunice.

Lea County

Eunice	**30**	**1513MST**			**0**	**0**			**Hail(1.75)**

This cell formed on the south flank of the storm to the north of Eunice.

Lea County

5 W Nadine	**30**	**1533MST**			**0**	**0**			**Hail(1.00)**

Western side of a multicell cluster.

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NEW MEXICO, Southeast

Lea County

South Portion | **30** | **1535MST 1900MST** | | | **0** | **0** | | | **Flash Flood**

Training cells caused flooding in the southern half of the county. About one foot of water was flowing across State Highway 18 south of Hobbs while 3-4 inches of hail caused water to collect and flood around the Nadine area and west of Hobbs on U.S. Highway 62/180.

TEXAS, West

TXZ045>048-050>052-057>063-067>070-074>075-079>082 — **Gaines - Dawson - Borden - Scurry - Andrews - Martin - Howard - Van Horn/Guadalupe Mountains Area - Reeves County And Upper Trans Pecos - Loving - Winkler - Ector - Midland - Glasscock - Ward - Crane - Upton - Reagan - Davis Mountains - Pecos - Presidio Valley - Marfa Plateau - Big Bend Area - Terrell**

01 | **0000CST** | | | **0** | **0** | | | **Drought**
29 | **0600CST**

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On the morning of the 29th, the first in a series of upper level low pressure systems was dropping southward into southern California. For more than a year this situation had been a very rare occurrence, however, beginning on April 29th, low pressure centers dropping into the Desert Southwest became common.

Once again the countryside in West Texas became green.

Ector County

4 W Odessa | **02** | **2034CST** | | | **0** | **0** | | | **Hail(1.00)**

Ector County

4 N Odessa | **02** | **2040CST** | | | **0** | **0** | | | **Hail(1.75)**

Southern end of a cell before the line became continuous.

Dawson County

Lamesa | **02** | **2047CST** | | | **0** | **0** | | | **Hail(0.75)**

Upton County

Rankin | **02** | **2148CST** | | | **0** | **0** | | | **Hail(1.00)**

Part of continuous line of storms where a mesocyclone was able to form briefly when over Rankin. The mesocyclone was much stronger when the storm moved northeast of Rankin, but no reports were received.

Scurry County

3 S Snyder | **02** | **2240CST** | | | **0** | **0** | | **10K** | **Thunderstorm Wind**

Outflow winds from a bowing part of the line took down 10 utility poles along State Highway 208. The poles took down lines of another company and one vehicle sustains light damage from falling debris

Very intriguing situation with a quiet evening until the receding dryline slammed into an eastward moving pacific cold front. The joining of the two boundaries was along a line from near Andrews to Monahans. About 30 minutes after the collision, deep convection began to fire at several points along the line. The front quickly filled with continuous convection by time it reached Midland.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, West

Brewster County

11 NE Study Butte | **12** | **1715CST** | | | **0** | **0** | | | **Hail(1.75)**

Single cell severe crossing Terlingua Ranch

Brewster County

Castolon | **12** | **1829CST** | | | **0** | **0** | | | **Hail(0.75)**

Brewster County

17 SE Panther Junction | **12** | **1944CST**
1955CST | | | **0** | **0** | **40K** | | **Hail(2.50)**

This storm crossed the Rio Grande moving northeast over Castolon. The storm then turned right and displayed supercell characteristics. By the time the storm reached Rio Grande Village tennis ball size hail was falling as the storm proceeded straight east. The storm soon crossed into Mexico.

Brewster County

Southeast Portion | **12** | **1950CST**
2100CST | | | **0** | **0** | | | **Flash Flood**

This supercell also dumped copious amounts of rain that caused flash flooding on Blue Creek. One water crossing on the park road to Castolon briefly had 3 feet of water crossing it.

Reeves County

Saragosa | **12** | **2020CST** | | | **0** | **0** | | | **Hail(1.00)**

Single cell storm crossed the Davis Mountains and was briefly severe near Saragosa.

Gaines County

Seminole | **12** | **2359CST** | | | **0** | **0** | | | **Hail(0.75)**

The extreme eastern cell of a multicell cluster that moved northeast out of New Mexico

Most deep convection on this day started in a mountain range. The big storms that pounded the Big Bend formed in Chihuahua and crossed into southern Brewster County. The only storm that appeared to be a supercell was the one that tracked straight east across Big Bend National Park.

TXZ080 | **Marfa Plateau**

13 | **1400CST**
1500CST | | | **0** | **0** | | | **High Wind (50)**

High winds gusted in the high terrain west of Marfa.

Upton County

5 N Mc Camey to 8 NE Mc Camey | **13** | **1600CST**
1620CST | **3** | **100** | **0** | **0** | | | **Tornado (F0)**

This event is based solely on reports from Law Enforcement. No path was found nor were any further details available

Midland County

4 W Midland | **13** | **1615CST**
1630CST | | | **0** | **0** | | | **Hail(0.88)**

Midland County

Midland | **13** | **1630CST**
1640CST | | | **0** | **0** | | | **Hail(1.75)**

Midland County

5.5 S Midland | **13** | **1640CST**
1650CST | | | **0** | **0** | **8M** | | **Hail(1.75)**

Midland County

5.5 S Midland | **13** | **1640CST** | | | **0** | **0** | **3M** | | **Thunderstorm Wind (70)**

Howard County

East Portion | **13** | **1645CST**
1745CST | | | **0** | **0** | | | **Flash Flood**

Flooding on FM 821 south of I-20 required its closing.

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TEXAS, West

Midland County

7.5 SE Midland | **13** | **1645CST 1647CST** | **0.5** | **150** | **0** | **0** | **20K** | | **Tornado (F1)**

Eyewitness account of this tornado. Although many people in the area considered all the damage to have been from a tornado, actually most of the damage was from the wind-driven hail (north of the tornado path). In the tornado path winds were more intense than in the hail area as demonstrated by the total demolition of one trailer that was spread into the field. All trailers in the hail area were still standing.

Midland County

Greenwood | **13** | **1700CST** | | | **0** | **0** | | | **Hail(1.00)**

Glasscock County

18 W Lees | **13** | **1730CST** | | | **0** | **0** | | | **Hail(1.75)**

Midland County

8 E Greenwood | **13** | **1730CST** | | | **0** | **0** | | | **Hail(1.75)**

Howard County

7 S Big Spring | **13** | **1738CST** | | | **0** | **0** | | | **Hail(0.75)**

Howard County

Coahoma | **13** | **1825CST** | | | **0** | **0** | | | **Hail(1.00)**

This convection developed along the dryline near the Ector/Crane County Line and slowly evolved at first, but suddenly intensified as it approached the city of Midland. The storm's updraft passed south of Midland, so the city only received hail on the extreme south side of town. The storm then spun up rotation while south of the city and became a classic supercell.

As the storm approached State Highway 349 damaging winds and hail combined with battering effects. A two mile wide area of wind-driven hail pounded residences and farm equipment for about a 5 mile stretch at least as far as State Highway 158. Hail grew up to about golfball size and winds peaked at approximately 80 mph. The wind-driven hail broke windows in houses and blasted paint off the wooden siding. The strong winds took roofs off several mobile homes and at least one single-family house. Utility crews stated that a total of 27 poles were downed by the winds.

The American Red Cross determined that 324 units were affected with 18 mobile homes 4 houses destroyed. About 50-60 families were at least temporarily displaced. Only about 10% of the property was insured. Of the 6 injuries, one person was admitted to the hospital with a broken arm.

This wind-driven hail area was on the north side of the mesocyclone with a brief tornado causing damage south of this area. The tornado formation was near the intersection of FM 1213 and County Road 160.

Martin County

Lenorah | **13** | **1630CST** | | | **0** | **0** | | | **Thunderstorm Wind (58)**

Scurry County

Knapp | **13** | **1755CST** | | | **0** | **0** | | | **Hail(1.75)**

Storm Chasers estimated outflow winds at 55-60 knots along State Highway 137 from this multicell area that proceeded across rural Borden County and into Scurry County where Knapp was struck.

Pecos County

Sheffield | **13** | **2020CST** | | | **0** | **0** | | | **Hail(1.75)**

This storm formed southeast of Fort Stockton and moved over open country until coming to Sheffield.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, West

Crane County

Crane **25** **2343CST** **0** **0** **Hail(1.00)**

A short line of thunderstorms developed along the dryline with one of the strongest cells moving over the city of Crane.

Terrell County

North Portion **26** **0230CST** **0** **0** **Flash Flood**
0330CST

Two thunderstorms tracked over northern Terrell county causing flooding on both State Highway 349 and Ranch Road 2400.

Andrews County

8 E Andrews **28** **1853CST** **0** **0** **Hail(0.75)**

This small single cell storm was briefly severe.

Andrews County

Andrews **28** **2043CST** **0** **0** **5M** **Hail(1.75)**
2048CST

A multicell cluster of thunderstorms moved into Andrews County from Winkler County. A new cell developed on the south end of the cluster and dropped the large hail on parts of Andrews. Numerous cars were damaged along with some roofs. This was the worst hail storm in Andrews since June 4, 1995.

Initial firing of storms was mostly along the dryline on this day

Reeves County

5 W Orla **29** **1930CST** **0** **0** **Hail(0.88)**
2000CST

Right-split of a cell that developed in northeastern Culberson County. This storm moved very little over a 2 hour period, while its pair moved quickly north into Eddy County, NM. This storm showed very strong rotation on doppler radar. The hail sampling was approximately 3-5 miles east of the updraft.

Loving County

West Portion **29** **2100CST** **0** **0** **Flash Flood**
2300CST

Flash flooding occurred on FM 652. Part of a fence was washed onto the road.

Reeves County

12 SE Orla **30** **1030CST** **1** **170** **0** **0** **Tornado (F2)**
1040CST

This tornado formed from a very young cell that became a small classic supercell very quickly. The cell was on the southern end of a small cluster of cells. The tornado formed near the Pecos River in extreme eastern Reeves County and crossed into western Loving County. As the tornado crossed the river the largest vegetation in the area, lines of Salt Cedar trees were snapped or uprooted. Many of these trees were well established and approximately 25-30 feet tall. The funnel exhibited a condensation funnel to the ground for much of its life.

Loving County

7 NW Mentone to 13 NW Mentone **30** **1040CST** **6** **170** **0** **0** **20K** **Tornado (F2)**
1055CST

The Reeves County tornado crossed the Pecos River and headed north across open country. Soon after it crossed the river, the tornado hit some oil field supplies and caused some damage. The only oil pumpjack in the path was overturned. Engineers at a pumpjack manufacturer estimated winds in the range of 110-130 mph to knock over this large piece of equipment. Vegetation mainly consisted of brush less than 4 feet tall with disturbances ranging from snapped or flattened to bent more than 45 degrees. The small foliage on these plants was generally still present, but wind-torn.

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TEXAS, West

Reeves County

4 NNE Orla — **30** — **1130CST** — **0** — **0** — **Hail(1.00)**

This storm was the strongest cell in a cluster that formed to the west of the tornadic cell. This report came from the shore of Red Bluff Reservoir. The previously tornadic cell merged with this cluster in southern Eddy County, NM

Loving County

10 ENE Red Bluff Res — **30** — **1140CST** — **0** — **0** — **Hail(1.75)**

Hail fell on the New Mexico state line.

Gaines County

Seminole — **30** — **1730CST** — **0** — **0** — **8M** — **Hail(2.00)**

A multicell cluster of severe storms that crossed into New Mexico from Reeves and Loving Counties, TX just before 1pm CDT emerged from Lea County, NM at around 6pm. The city of Seminole was pounded by large hail, high winds and flooding rains.

Gaines County

Seminole — **30** — **1800CST** — **0** — **0** — **40K** — **Thunderstorm Wind**

Thunderstorm outflow winds blew down signs in town and blew one roof off a house just east of town.

Gaines County

Seminole — **30** — **1818CST** — **0** — **0** — **Hail(0.75)**

A cell that formed on the south flank of the previous storm. This cell was the second of numerous training cells that passed over Seminole and points northeast and east.

Gaines County

Countywide — **30** — **1825CST** **2200CST** — **0** — **0** — **2M** — **Flash Flood**

Training of numerous cells over Seminole and areas to the east and northeast caused widespread and extensive flooding. The KMAF 88D Storm Total Precipitation measured a strip of 20 by 8 miles that received in excess of 5 inches of rain. Readings from within the swath confirmed this estimation. Residences were flooded in Seminole and cars on FM 1429 east of Seminole were stranded in high water. One new mobile home east of the city became flooded and started to float in the water, only to break apart shortly thereafter. Several people were rescued from vehicles standing in 4-5 feet of water. Numerous animals died in the event, including five horses on a farm that died from hypothermia after being stranded for hours in deep, hail-chilled waters

Gaines County

7 N Cedar Lake — **30** — **1950CST** — **0** — **0** — **Hail(0.88)**

Storms were forming into an MCS.

Dawson County

Countywide — **30** — **2200CST** **2330CST** — **0** — **0** — **Flash Flood**

By the time the storms moved into Dawson County the large hail and high winds had diminish and heavy rains flooded the countryside. Several vehicles were stranded on State Highway 137 between Lamesa and Welch. A few rural roads were closed in various parts of the county.

A classic severe weather setup was taking place on this day and would continue into the next day. A strong upper level low pressure system was centered near Las Vegas, NV and was moving slowly eastward toward the area. Surface winds were backed to the southeast with rich moisture.

One item of interest was the early start time of the storms with the first tornado by 1130 am CDT...only about 10 am local sun time. With the mid-level flow blowing parallel to the orientation of multicell complexes were oriented, training of storms was common over several parts of the region. In the evening tornadoes and hail events subsided and flash flooding began to take control.

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TEXAS, West									
Brewster County									
Marathon	**30**	**1215CST**			**0**	**0**			**Hail(0.88)**
A multicell severe storm that formed in central Brewster County. The storm slowly declined as it moved away to the northeast.									
Andrews County									
25 WNW Andrews	**30**	**1433CST**			**0**	**0**			**Thunderstorm Wind (59)**
Wind speed measured at a radioactive waste site. This storm produced a tornado just east of Eunice, NM., moved NNE across the northwest corner of Andrews County, then into Gaines County.									
Gaines County									
20 NW Seminole	**30**	**1540CST** **1543CST**	**1**	**100**	**0**	**0**			**Tornado (F0)**
Tornado spotted by Lubbock TV Chase Crew.									